

5 What is claimed is:

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A portable mobile computer mini-server comprising in electrical connection at least one of each of the following components: a first hands-free activated general
10 purpose computer ("first computer"), an Operating Server Software and a battery, said first voice-activated hands-free general purpose computer having hands-free activation means and means to communicate and exchange information with a second voice-activated computer (second computer(s)) which is located remotely relative to said first voice-activated hands-free general purpose computer, said mini-server having means to
15 function as a server for at least one of said second computers, said hands-free activation means selected from the group consisting of audio activation, electroencephalography activation, eye activation, hand and arm-tracking means and mixtures thereof.

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The server of claim 1 wherein all of said components are encased in a
20 weatherproof housing including a magnesium alloy shell.

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The server of claim 1 having a PCMCIA card slot in said first computer.

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The server of claim 1 having at least one primary or at least one secondary battery and means for connection to an outside power source.

The server of claim 1 having video memory and a built-in sound card.

10 The server of claim 1 having at least one integrated Digital Signal Processor.

The server of claim 1 having a compact flash, USB, DC-IN jack, user interface
ports, a power port for connection to an outside power source and at least a 500 MHz
15 processor.

A communication system comprising at least one mini-server and apart from said
mini-server at least one second hands-free activated general purpose computer (“second
20 computer”), said mini-server comprising at least one each of the following components: a
first hands-free activated general purpose computer (first computer), a compact flash
card, an Operating Server Software, and a battery, said first computer having means to
communicate and exchange information with said second computer which is located
remotely relative to said first computer, said mini-server having means to function as a
25 server, at least one of said second computers using a wireless protocol to communicate,
said hands-free activated general purpose computer having activation means.

The system of claim 8 wherein said user-supported hands-free computer and ServicePoint have means for also communicating and interacting with a communication means selected from the group consisting of cellular telephones, hard line telephones, infrared transceivers, two way radio means and mixtures thereof.

The system of claim 8 wherein said mini-server comprises in electrical connections, a battery, a suitable Operating Server Software, wireless communication means, a compact flash card, and a voice-activated general purpose first computer, said first computer having means to communicate and exchange information with a second voice-activated computer remotely located relative to said first computer, said first computer having means to function as an access point for at least one of said second computers.

The system of claim 8 wherein the second computer permits a user to wear only a display and an activation means which is adapted to interact with said first computer.

The system of claim 10 wherein said second computer comprises a display means selected from the group consisting of a head mounted display, a wrist mounted display, a neck hung display, a flat panel display and mixtures thereof.

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The system of claim 10 wherein said mini-server and both said first and second voice activated computer have other means to operate in addition to said voice activated, said other means include electroencephalography activation means, eye activation means, head and arm tracking means, and mixtures thereof, and whereby the first computer has means to interact with said other means.

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The system of claim 10 wherein said second voice activated computer has a single computer housing and wherein a computer display, said voice activation means are combined into said single housing together with all of the components of a general purpose computer.